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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/574,821	04/06/2006	Nils Virving	SUNDS 3.3-150	3642	
	530 7590 02/11/2008 LERNER, DAVID, LITTENBERG,			EXAMINER	
KRUMHOLZ &	& MENTLIK		ROSENBAUM, MARK		
600 SOUTH AVENUE WEST WESTFIELD, NJ 07090			ART UNIT	PAPER NUMBER	
ŕ			3725		
			MAIL DATE	DELIVERY MODE	
			02/11/2008	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	Application No.	Applicant(s)		
	10/574,821	VIRVING, NILS		
Office Action Summary	Examiner	Art Unit		
	Mark Rosenbaum	3725		
The MAILING DATE of this communication app Period for Reply	pears on the cover sheet with the o	correspondence address		
A SHORTENED STATUTORY PERIOD FOR REPL WHICHEVER IS LONGER, FROM THE MAILING D - Extensions of time may be available under the provisions of 37 CFR 1.1 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period - Failure to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailin earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION (136(a). In no event, however, may a reply be tirwill apply and will expire SIX (6) MONTHS from e, cause the application to become ABANDONE	N. mely filed the mailing date of this communication. ED (35 U.S.C. § 133).		
Status				
 Responsive to communication(s) filed on 17 D This action is FINAL. Since this application is in condition for alloward closed in accordance with the practice under B 	s action is non-final. nce except for formal matters, pro			
Disposition of Claims				
4) ☐ Claim(s) 3 and 4 is/are pending in the applicat 4a) Of the above claim(s) is/are withdra 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 3-4 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/o	wn from consideration.			
9) The specification is objected to by the Examine	ar.			
10) The drawing(s) filed on is/are: a) accomposition and accomposition accomposition and accomposition and accomposition and accomposition accomposition and accomposition accomposition and accomposition accomposition and accomposition a	cepted or b) objected to by the drawing(s) be held in abeyance. Setion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority under 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	ate		

DETAILED ACTION

Allowable Subject Matter

Removal of the term 'whereby' in claim 3, line 12 would render these claims allowable over the art of record. See below for a more detailed explanation.

Response to Arguments

Applicant's arguments with respect to claims 3-4 have been considered but are moot in view of the new ground(s) of rejection.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 3-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dodd '931 in view of Ahrel. Dodd '931 in figure 7 discloses the basic refiner including bars having grooves. The bars of Dodd '931 are not arcuate which may decrease refiner efficiency. Ahrel solves this problem by disclosing similar apparatus including the use of arcuate bars. In order to render the apparatus more efficient, it would have been obvious for one of ordinary skill in the art to modify Dodd '931 by making the bars arcuate, taught to be desirable by Ahrel. The exact angle of the grooves on the bars would depend on several factors such as material being treated and desired flow characteristics. Note also that 'whereby' clauses are purely functional in nature and do not in themselves further limit the apparatus as claimed; in re Mason, 114 USPQ 127.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mark Rosenbaum whose telephone number is 571-272-4523. The examiner can normally be reached on Monday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Derris Banks can be reached on 571-272-4419. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Mark Rosenbaum Primary Examiner Art Unit 3725

MR

/Mark Rosenbaum/ Primary Examiner, Art Unit 3725